INTERNATIONAL SEARCH REPORT

- POTEC & M40 (----- ---- ------- / I.d. 1000)

Rec'd PCT/PTO 25 JAN 2005

PCT/18 03/03145

A. CLASSIFICATION OF SUBJECT MATTER
1PC 7 H05B41/282 H02M3/155 H02M3/335 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) H05B HO2M IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Y EP O 420 074 A (BULL HN INFORMATION SYST) 1 - 143 April 1991 (1991-04-03) figure 2 US 2002/011806 A1 (MOISIN MIHAIL S) Y 1 - 1431 January 2002 (2002-01-31) figures 3,11,12 US 2001/043181 A1 (PARK JIN-HO) Α 1 22 November 2001 (2001-11-22) figures 6,7 Further documents are listed in the continuation of box C. X lχ Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the International "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date document which may throw doubts on priority claim(s) or which is clied to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone "Y" document of particular relevance; the dairned invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled "O" document referring to an oral disclosure, use, exhibition or document published prior to the International filing date but later than the priority date claimed in the art "&" document member of the same patent family Date of the actual completion of the international search Date of malling of the international search report 17 October 2003 09/12/2003 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Maicas, J



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